

Table ENG-3. - Building Site Development

City of Richmond, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B: Abell	85	Not limited		Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.13
2B: Appling	85	Not limited		Not limited		Not limited	
3B: Appling	85	Not limited		Not limited		Not limited	
3C: Appling	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
3D: Appling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
4C: Appling	45	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Wedowee	40	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
4D: Appling	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Wedowee	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
5A: Atlee	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
6A: Augusta	85	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.98
7B:							

Table ENG-3. - Building Site Development - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7B:							
Bourne	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.97
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
7C:							
Bourne	85	Somewhat limited		Very limited		Very limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Slope	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to thick cemented pan	0.97
		Slope	0.04	Slope	0.04	Depth to saturated zone	0.39
8C:							
Cecil	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
8D:							
Cecil	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
9A:							
Chastain	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Nawney	6	Not Rated		Not Rated		Not Rated	
Johnston	4	Not Rated		Not Rated		Not Rated	
10A:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Chastain	6	Not Rated		Not Rated		Not Rated	
Johnston	4	Not Rated		Not Rated		Not Rated	
11B:							
Colfax	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.90	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.90
Worsham	3	Not Rated		Not Rated		Not Rated	

12C:

Table ENG-3. - Building Site Development - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12C:							
Colfax	85	Somewhat limited Slope	0.04	Somewhat limited Depth to thin cemented pan Slope	0.90 0.04	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
13A:							
Dogue	85	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 0.50 0.07	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 0.50 0.07
14A:							
Dunbar	85	Somewhat limited Depth to saturated zone Shrink-swell	0.81 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.81 0.50
Pouncey	3	Not Rated		Not Rated		Not Rated	
15B:							
Durham	45	Not limited		Not limited		Not limited	
Bourne	40	Somewhat limited Depth to thick cemented pan Depth to saturated zone	0.97 0.39	Very limited Depth to thick cemented pan Depth to saturated zone	1.00 1.00	Somewhat limited Depth to thick cemented pan Depth to saturated zone	0.97 0.39
16B:							
Edgehill	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
16C:							
Edgehill	85	Somewhat limited Shrink-swell Slope	0.50 0.04	Somewhat limited Shrink-swell Slope	0.50 0.04	Very limited Slope Shrink-swell	1.00 0.50
16D:							
Edgehill	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
16E:							
Edgehill	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
17B:							

Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17B: Faceville	85	Not limited		Not limited		Not limited	
17C: Faceville	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
17D: Faceville	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
18B: Faceville	50	Not limited		Not limited		Not limited	
Gritney	35	Somewhat limited Depth to saturated zone Shrink-swell	0.98 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.98 0.50
18C: Faceville	50	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Gritney	35	Somewhat limited Depth to saturated zone Shrink-swell Slope	0.98 0.50 0.04	Very limited Depth to saturated zone Shrink-swell Slope	1.00 0.50 0.04	Very limited Slope Depth to saturated zone Shrink-swell	1.00 0.98 0.50
19C: Grover	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
19D: Grover	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
19E: Grover	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
20C: Grover	50	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Wateree	30	Somewhat limited Slope	0.04	Somewhat limited Depth to soft bedrock Slope	0.97 0.04	Very limited Slope	1.00

21A:

Table ENG-3. - Building Site Development - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21A:							
Johnston	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Chastain	5	Not Rated		Not Rated		Not Rated	
Nawney	4	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
22B:							
Kempsville	85	Not limited		Not limited		Not limited	
23B:							
Kempsville	45	Not limited		Not limited		Not limited	
Bourne	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.97
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
24B:							
Masada	85	Not limited		Not limited		Not limited	
24C:							
Masada	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
25B:							
Masada	85	Not limited		Not limited		Not limited	
25C:							
Masada	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
26A:							
Nawney	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Chastain	6	Not Rated		Not Rated		Not Rated	
Johnston	5	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27B:							
Norfolk	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
28B:							
Orangeburg	50	Not limited		Not limited		Not limited	
Faceville	35	Not limited		Not limited		Not limited	
28C:							
Orangeburg	50	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Faceville	35	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
29B:							
Pouncey	85	Very limited Flooding Depth to saturated zone Depth to hard bedrock	1.00 1.00 0.46	Very limited Flooding Depth to hard bedrock Depth to saturated zone	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Depth to hard bedrock	1.00 1.00 0.46
Worsham	3	Not Rated		Not Rated		Not Rated	
30A:							
Riverview	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding	1.00
Chewacla	3	Not Rated		Not Rated		Not Rated	
31A:							
Roanoke	85	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50
32A:							
Roanoke	40	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32A:							
Chewacla	35	Very limited Flooding Depth to saturated zone	1.00 0.44	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.44
33B:							
Slagle	85	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.07
34B:							
Tetotum	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
35A:							
Toccoa	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.73	Very limited Flooding	1.00
36A:							
Tomotley	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
37B:							
Turbeville	85	Not limited		Not limited		Not limited	
37C:							
Turbeville	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
38B:							
Turbeville	85	Not limited		Not limited		Not limited	
38C:							
Turbeville	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
39:							
Udorthents	85	Not Rated		Not Rated		Not Rated	
40:							
Udorthents	45	Not Rated		Not Rated		Not Rated	
Dumps	40	Not Rated		Not Rated		Not Rated	
41:							
Urban land	85	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
42A: Varina	85	Not limited		Somewhat limited Depth to saturated zone	0.61	Not limited	
43C: Wateree	85	Not limited		Somewhat limited Depth to soft bedrock	0.97	Very limited Slope	1.00
43D: Wateree	85	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.97	Very limited Slope	1.00
44E: Wateree	55	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.97	Very limited Slope	1.00
Appling	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
45F: Wateree	55	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.97	Very limited Slope	1.00
Appling	35	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Rock outcrop	10	Not Rated		Not Rated		Not Rated	
46E: Wedowee	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
47A: Worsham	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50
Pouncey	3	Not Rated		Not Rated		Not Rated	
W: Water	100	Not Rated		Not Rated		Not Rated	